

REMARKS

This is a full and timely response to the outstanding non-final Office Action mailed February 22, 2006. Upon entry of the amendments in this response, claims 1 – 6, 8, 9, 11 – 13, 18 and 37 - 40 remain pending. In particular, Applicants have amended claims 1 - 8, 11 and 14, and have canceled claims 20 - 36 without prejudice, waiver, or disclaimer.

Applicants have canceled claims 20 - 36 merely to reduce the number of disputed issues and to facilitate early allowance and issuance of other claims in the present application.

Applicants reserve the right to pursue the subject matter of these canceled claims in a continuing application, if Applicants so choose, and do not intend to dedicate the canceled subject matter to the public. Reconsideration and allowance of the application and presently pending claims are respectfully requested.

Rejections under 35 U.S.C. § 102

The Office Action indicates that claims 1-36 are rejected under 35 U.S.C. § 102 as being anticipated by *Suggs*. Applicants respectfully traverse the rejections.

In this regard, Applicants have amended claim 1 to recite:

1. A multiple resolution sensing apparatus comprising;
a plurality of first photosensor elements coupled together to form a first linear array and having a first length and a first resolution;
a plurality of second photosensor elements coupled together to form a second linear array and having a second length and a second resolution;
a coupler having a first amplifier and an output, said coupler coupled to said first linear array and to said second linear array; and
a controller coupled to said coupler and providing a control signal to said coupler such that said output is coupled to said first linear array when said first resolution is employed and such that said output is coupled to said second linear array, instead of said first linear array, when said second resolution is employed;
the first amplifier being operative to amplify signals provided by the first linear array when the first resolution is being employed and to amplify signals provided by the second linear array when the second resolution is being employed.

(Emphasis Added).

Applicants respectfully assert that *Suggs* does not teach or otherwise disclose at least the features/limitations emphasized above in claim 1. For instance, the Office Action contends that the element 54 of FIG. 3e of *Suggs* is a “coupler.” However, Applicants have amended claim 1 to recite that the claimed “coupler” includes a first amplifier. Clearly, element 54 of *Suggs* (a wire bond) does not include an amplifier. Additionally, although *Suggs* mentions the use of amplification, it does not appear that *Suggs* teaches or otherwise discloses the particular structural and/or functional limitations regarding amplification, i.e., a first amplifier, that are recited in claim 1. Therefore, Applicants respectfully assert that claim 1 is in condition for allowance.

Since claims 2 - 19 are dependent claims that incorporate all the features/limitations of claim 1, and are not otherwise rejected in the Action, Applicants respectfully assert that these claims also are in condition for allowance. Additionally, these claims recite other features/limitations that can serve as an independent basis for patentability.

Newly Added Claims

Upon entry of the amendments in this response, Applicants have added new claims 37 – 40. Applicants respectfully assert that these claims add no new matter and that these claims are in condition for allowance. In this regard, claim 37 recites:

37. A multiple resolution sensing apparatus comprising;
 - a plurality of first photosensor elements coupled together to form a first linear array and having a first length and a first resolution;
 - a plurality of second photosensor elements coupled together to form a second linear array and having a second length and a second resolution;
 - a coupler having an output, said coupler coupled to said first linear array and to said second linear array; and
 - a controller coupled to said coupler and providing a control signal to said coupler such that said output is coupled to said first linear array when said first resolution is employed and such that said output is coupled to said second linear array, instead of said first linear array, when said second resolution is employed;

wherein said coupler further includes a first amplifier, and wherein said first linear array, said second linear array and said coupler with said first amplifier are located on a single substrate.
(Emphasis Added).

Applicants respectfully assert that *Suggs* does not teach or otherwise disclose at least the features/limitations emphasized above in claim 1. For instance, the Office Action contends that the element 54 of FIG. 3e of *Suggs* is a “coupler.” However, Applicants have recited in claim 37 that the “coupler” includes a first amplifier. Clearly, element 54 of *Suggs* (a wire bond) does not include an amplifier. Additionally, although *Suggs* mentions the use of amplification, it does not appear that *Suggs* teaches or otherwise discloses the particular structural and/or functional limitations regarding amplification, i.e., a first amplifier, that are recited in claim 37, much less these features being “located on a single substrate.” Therefore, Applicants respectfully assert that claim 37 is in condition for allowance.

Since claims 38 - 40 are dependent claims that incorporate all the features/limitations of claim 37, and are not otherwise rejected in the Action, Applicants respectfully assert that these claims also are in condition for allowance. Additionally, these claims recite other features/limitations that can serve as an independent basis for patentability.

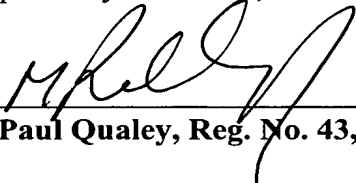
Cited Art Made of Record

The cited art made of record has been considered, but is not believed to affect the patentability of the presently pending claims.

CONCLUSION

In light of the foregoing amendments and for at least the reasons set forth above, Applicants respectfully submit that all objections and/or rejections have been traversed, rendered moot, and/or accommodated, and that the pending claims are in condition for allowance. Favorable reconsideration and allowance of the present application and all pending claims are hereby courteously requested. If, in the opinion of the Examiner, a telephonic conference would expedite the examination of this matter, the Examiner is invited to call the undersigned attorney at (770) 933-9500.

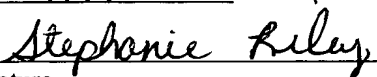
Respectfully submitted,



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I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, postage prepaid, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on 5/19/06.



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